# **Students Learn**

## **Program Model**



Space Mission Component Business Skills Component

Career Awareness Component

Self Esteem Component Information Technology Component

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#### **Student Development...**

- Mission Development Process (program)
- Satellite Subsystems (engineering)
- Satellite Payload & Research Objective (science)
- Mission Ground System (Information Technology)

#### **Critical Business Skills**

- Project Planning & Management
- Group & Leadership
- Total Quality Management
- Documentation
- Presentations & Public Speaking
- Civic Responsibility

The classroom is run "like a business environment"

#### CSLP builds self-esteem and confidence in students

- Skills to Tackle Complex Systems
- Leadership and Planning Skills
- Interpersonal and Public Speaking Skills
- Expert Knowledge
- Accomplishments Beyond Their Own Expectations

### **Links Technology to Basic Academics**

- Information Technology
- Basic Electronics
- Application of Physics in: Orbital Mechanics Structures Pointing Control Thermal Management
- Earth & Space Science
- Computer Science
- Data Processing

**Students of all Professional Persuasions** 

- Technical and Non-Technical
- It takes all types of careers to run a project

Students are exposed to professionals in a variety of career fields

Students learn how different careers work together to form a project team